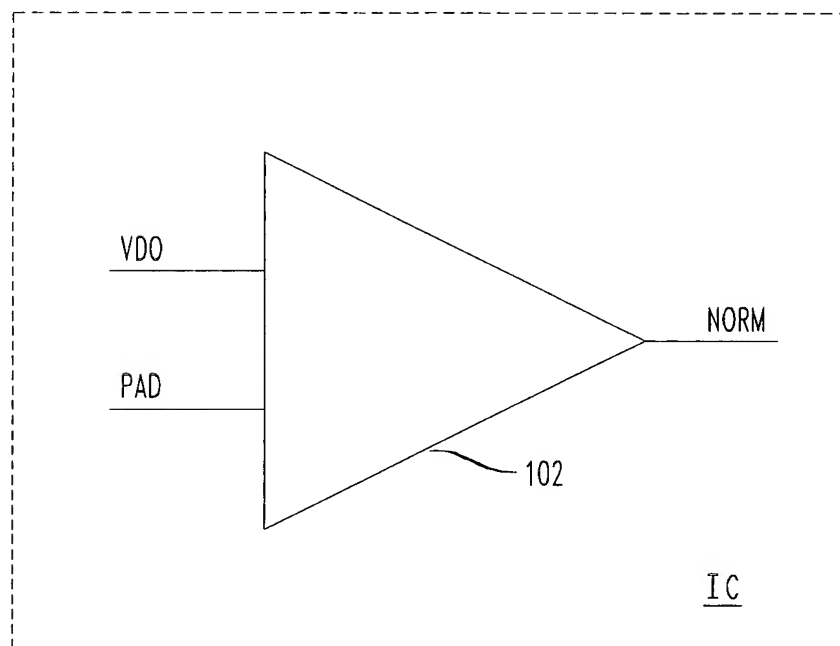


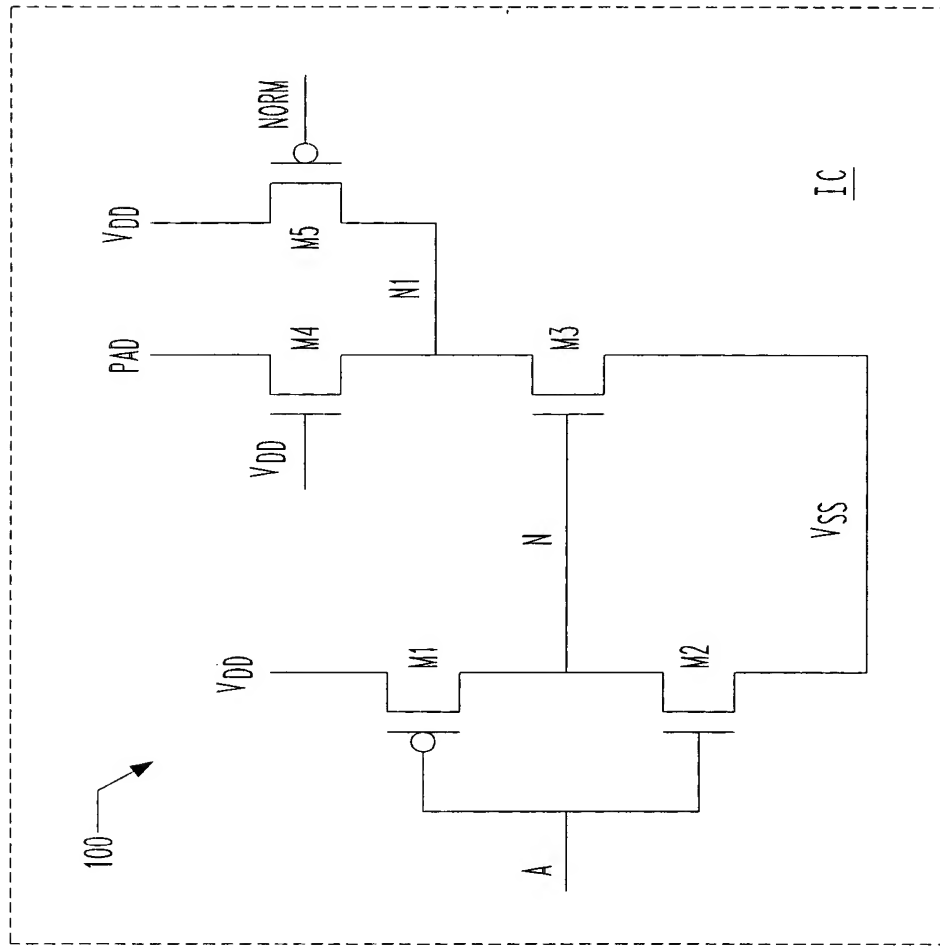


FIG. 1



COMPACTOR TO GENERATE NORM SIGNAL

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IMPROVED 5V TOLERANT OPEN DRAIN OUTPUT BUFFER

FIG. 2

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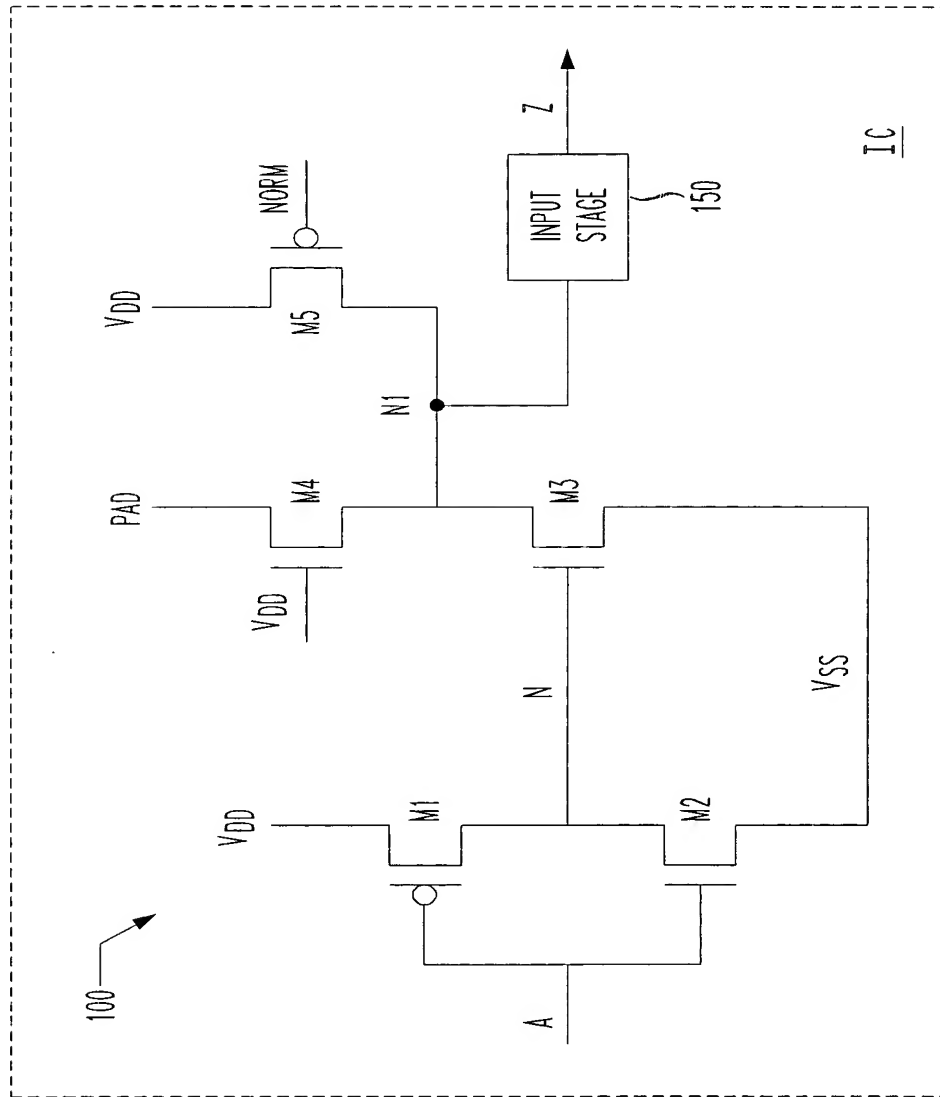
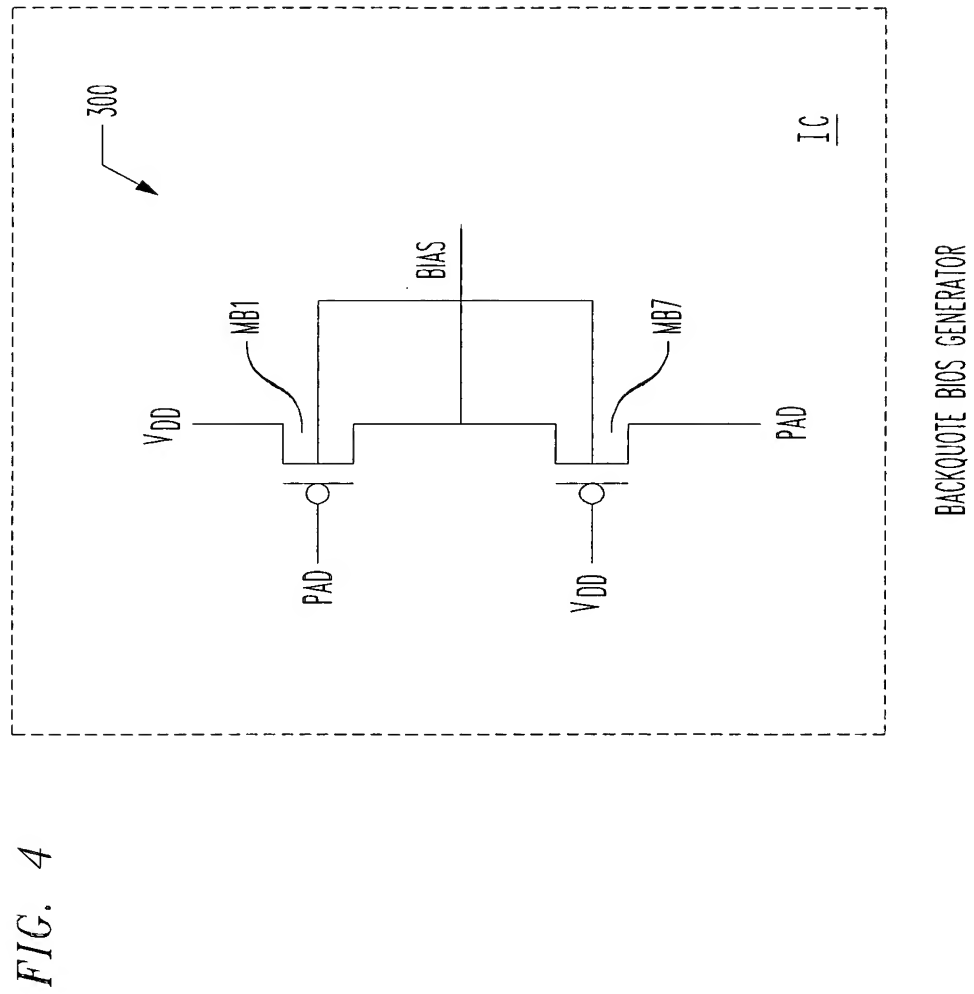


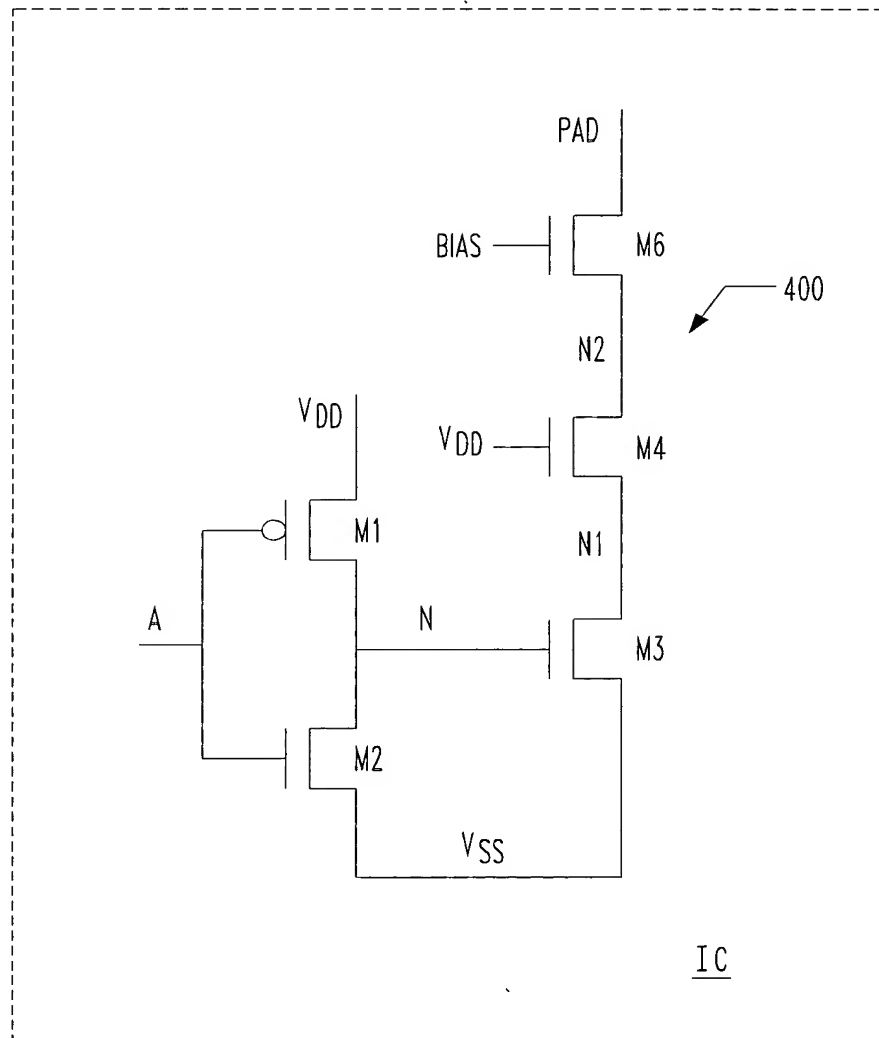
FIG. 3

IMPROVED 5V TOLERANT OPEN DRAIN BI-DIRECTIONAL BUFFER



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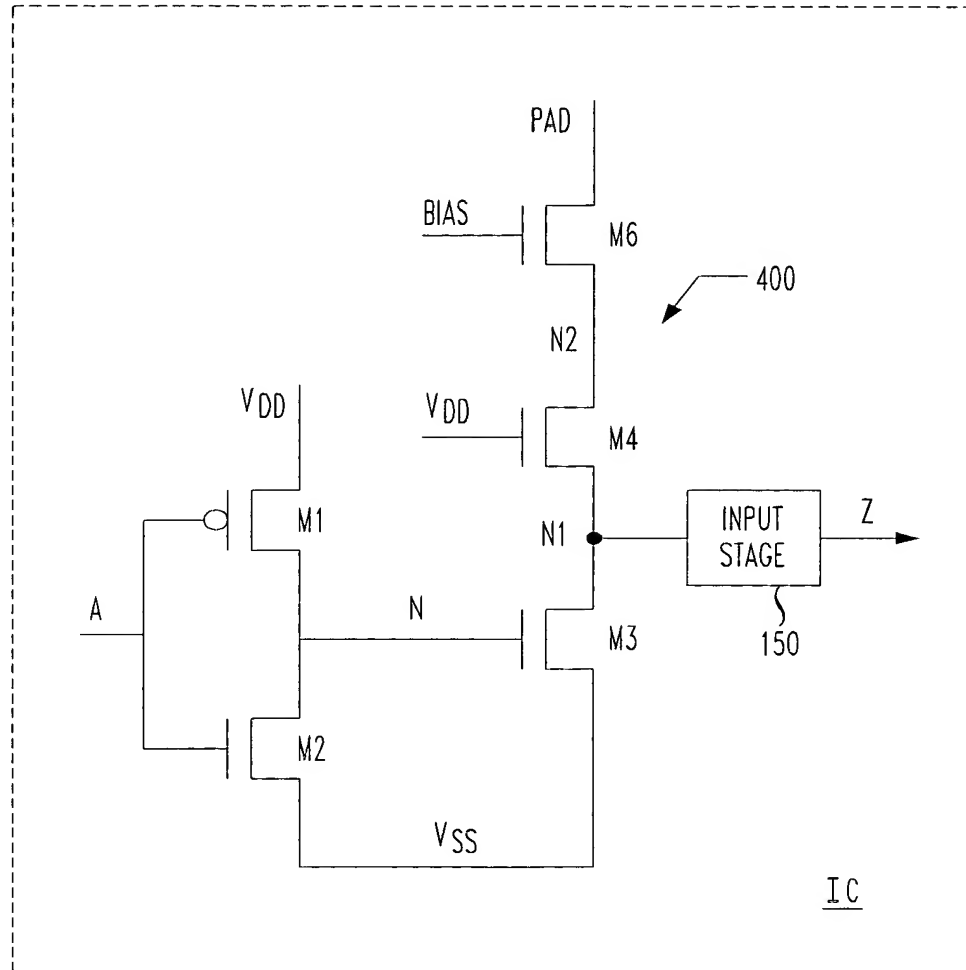
FIG. 5



IMPROVED 5V TOLERANT OPEN DRAIN OUTPUT BUFFER

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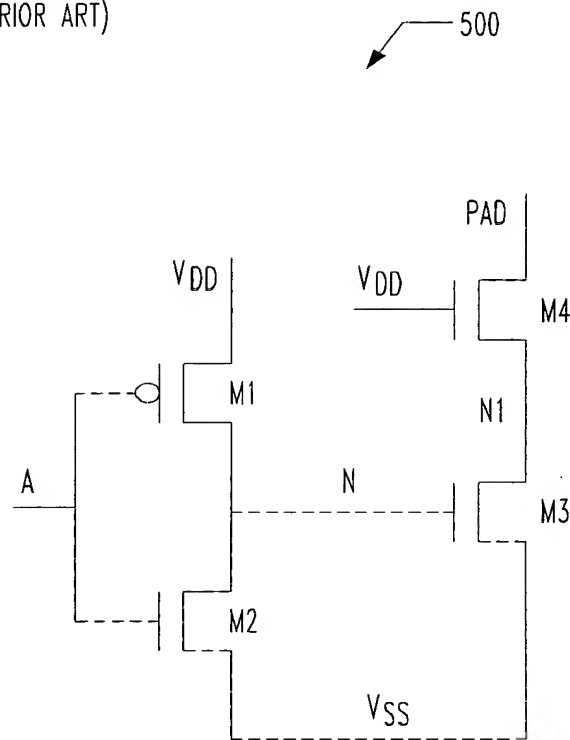
FIG. 6



IMPROVED 5V TOLERANT OPEN DRAIN BI-DIRECTIONAL BUFFER

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FIG. 7
(PRIOR ART)



5V TOLERANT OPEN DRAIN OUTPUT BUFFER